Sequence Listing

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      Kim, K. Jin

<120> METHOD FOR MAKING MONOCLONAL ANTIBODIES AND
      CROSS-REACTIVE ANTIBODIES OBTAINABLE BY THE METHOD

<130> P1468R1 (REVISED)

<140> US 09/329,633
<141> 1999-06-10

<150> US 60/089,253
<151> 1998-06-12

<160> 2

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<211> 1799
<212> DNA
<213> human

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 ccacgggcct gagagactat aagagcgttc cctaccgcca tggaacaacg 150

 gggacagaac gccccggccg cttcggggggc ccggaaaagg cacggcccag 200

 gacccaggga ggcgcgggga gccaggcctg ggctccgggt ccccaagacc 250

 cttgtgctcg ttgtcgccgc ggtcctgctg ttggtctcag ctgagtctgc 300

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 aaaagaggtc cagcccctca gagggattgt gtccacctgg acaccatatc 400

 tcagaagacg gtagagattg catctcctgc aaatatggac aggactatag 450

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Page 1

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cacgatgctg ataaagtggg tcaacaaaac cgggcgagat gcctctgtcc 1250

acaccctgct ggatgccttg gagacgctgg gagagagact tgccaagcag 1300

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```

<210> 2
<211> 411
<212> PRT
<213> human

<220>
<221> xaa
<222> 410
<223> xaa = leu or met

<400> 2

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Met Glu Gln Arg Gly Gln Asn Ala Pro Ala Ala Ser Gly Ala Arg
 1               5                  10                  15

Lys Arg His Gly Pro Gly Pro Arg Glu Ala Arg Gly Ala Arg Pro
               20                  25                  30

Gly Leu Arg Val Pro Lys Thr Leu Val Leu Val Val Ala Ala Val
               35                  40                  45

Leu Leu Leu Val Ser Ala Glu Ser Ala Leu Ile Thr Gln Gln Asp
               50                  55                  60

Leu Ala Pro Gln Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser Ser
               65                  70                  75

Pro Ser Glu Gly Leu Cys Pro Pro Gly His His Ile Ser Glu Asp
               80                  85                  90

Gly Arg Asp Cys Ile Ser Cys Lys Tyr Gly Gln Asp Tyr Ser Thr
               95                 100                 105

His Trp Asn Asp Leu Leu Phe Cys Leu Arg Cys Thr Arg Cys Asp
              110                 115                 120

Ser Gly Glu Val Glu Leu Ser Pro Cys Thr Thr Thr Arg Asn Thr
              125                 130                 135

Val Cys Gln Cys Glu Glu Gly Thr Phe Arg Glu Glu Asp Ser Pro
              140                 145                 150

Glu Met Cys Arg Lys Cys Arg Thr Gly Cys Pro Arg Gly Met Val
              155                 160                 165

Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile Glu Cys Val His
              170                 175                 180

Lys Glu Ser Gly Ile Ile Ile Gly Val Thr Val Ala Ala Val Val
              185                 190                 195

Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp Lys Lys
              200                 205                 210

Val Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly Asp
              215                 220                 225
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Page 3

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Pro Glu Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp
            230                 235             240

Asn Val Leu Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val
            245                 250             255

Pro Glu Gln Glu Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly
            260                 265             270

Val Asn Met Leu Ser Pro Gly Glu Ser Glu His Leu Leu Glu Pro
            275                 280             285

Ala Glu Ala Glu Arg Ser Gln Arg Arg Arg Leu Leu Val Pro Ala
            290                 295             300

Asn Glu Gly Asp Pro Thr Glu Thr Leu Arg Gln Cys Phe Asp Asp
            305                 310             315

Phe Ala Asp Leu Val Pro Phe Asp Ser Trp Glu Pro Leu Met Arg
            320                 325             330

Lys Leu Gly Leu Met Asp Asn Glu Ile Lys Val Ala Lys Ala Glu
            335                 340             345

Ala Ala Gly His Arg Asp Thr Leu Tyr Thr Met Leu Ile Lys Trp
            350                 355             360

Val Asn Lys Thr Gly Arg Asp Ala Ser Val His Thr Leu Leu Asp
            365                 370             375

Ala Leu Glu Thr Leu Gly Glu Arg Leu Ala Lys Gln Lys Ile Glu
            380                 385             390

Asp His Leu Leu Ser Ser Gly Lys Phe Met Tyr Leu Glu Gly Asn
            395                 400             405

Ala Asp Ser Ala Xaa Ser
            410
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